

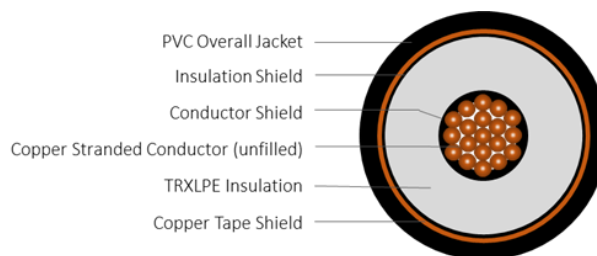
TR-XLPE/CTS/PVC Power, Type MV-105, 5kV 133% Single Conductor Un-Filled Copper - Silicone Free

DESCRIPTION

The Medium Voltage, TR-XLPE/Cu Tape Shield/PVC, Type MV-105 Cables that consist of a copper un-filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), copper taped shield (CTS) and a polyvinyl chloride (PVC) jacket. These cables are used in industrial power circuits.

APPLICATIONS

- Primary installations include cable tray, outdoor locations, in conduit, duct, free air, and raceways.
- Direct buried if installed in a system with a ground conductors that is in close proximity and conforms with NEC 250.4 (A)(5).
- In wet or dry locations. Rated 105°C wet or dry.
- Approved for Class I, Div. 2 industrial hazardous locations per NEC.
- Excellent sunlight resistance.
- For CT use for 1/0AWG and larger, per UL 1072.
- Designed to operate continuously at a conductor temperature not exceeding
 - » 105°C for normal operations
 - » 140°C for emergency overload
 - » 250°C for short circuit



SERIES G5KBTP

CONSTRUCTION

CONDUCTOR	Fully annealed bare copper (unfilled) Class B compressed strand
STRAND SHIELD	Extruded thermoset semi-conducting polymer over the conductor
INSULATION	Tree-retardant cross-linked polyethylene (TR-XLPE)
INSULATION SHIELD	Extruded thermoset semi-conducting polymer over the insulation
SHIELD	5 mil annealed copper tape helically applied with approx. 25% overlap
JACKET	Black Polyvinyl Chloride (PVC)
JACKET MARKING	2AWG and 1 AWG 00000 FT LS CABLE XXXAWG CU 1/C 5KV 133% INSUL LEVEL 115 MILS TRXLPE/PVC JKT MV-105 (UL) SUN RES MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL) 1/0AWG and larger 00000 FT LS CABLE XXXKCMIL (or AWG) CU 1/C 5KV 133% INSUL LEVEL 115 MILS TRXLPE/ PVC JKT MV-105 FOR CT USE (UL) SUN RES MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
PACKING	Non-returnable wood reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B8 ICEA S-93-639 ICEA S-97-682 UL 1072 NEC
OTHER	EPA 40 CFR, Part 261 OSHA

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SPECIFICATIONS						
Part Number	Conductor Size (AWG/kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Jacket Thickness (in)	Approx. O.D (in)	Approx. Weight (lbs/kft)
G5KBTP-02CB-1CZ-T5Z-Z	2	0.283	0.57	0.060	0.78	445
G5KBTP-1ACB-1CZ-T5Z-Z	1/0	0.362	0.65	0.060	0.87	600
G5KBTP-3ACB-1CZ-T5Z-Z	3/0	0.456	0.75	0.075	0.99	855
G5KBTP-4ACB-1CZ-T5Z-Z	4/0	0.512	0.81	0.075	1.05	1,015
G5KBTP-25CB-1CZ-T5Z-Z	250	0.558	0.86	0.075	1.10	1,160
G5KBTP-35CB-1CZ-T5Z-Z	350	0.661	0.97	0.075	1.21	1,510
G5KBTP-50CB-1CZ-T5Z-Z	500	0.789	1.10	0.075	1.34	2,025

The dimensions and weights shown are approximate and subject to industry standards. Other designs available upon request.